

Activity 1.1: Creating a Spring Standalone Application

Problem Statement

Create a standalone Spring application using IntelliJ Idea.

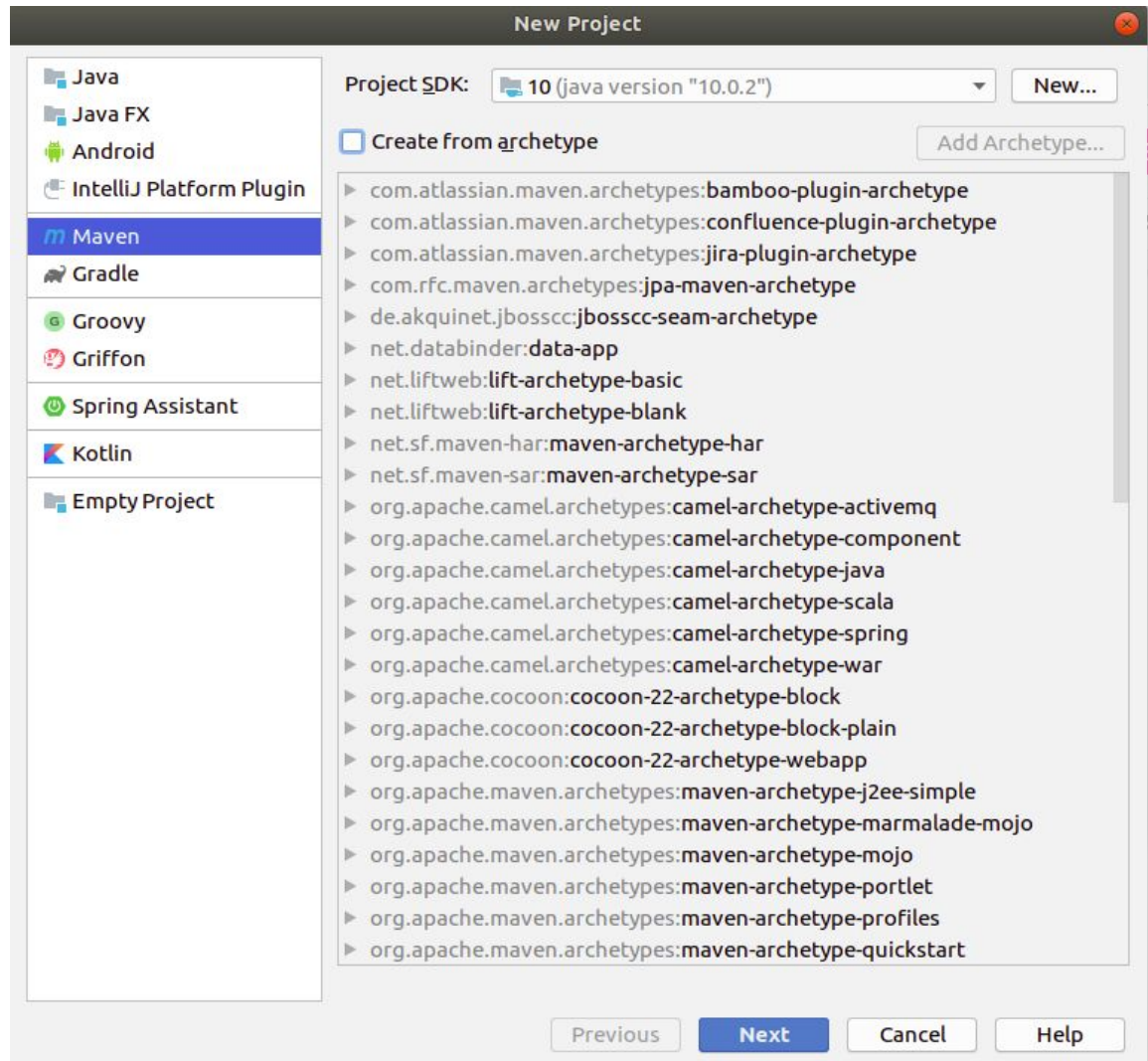
Solution

To achieve the preceding requirement, you need to perform the following steps:

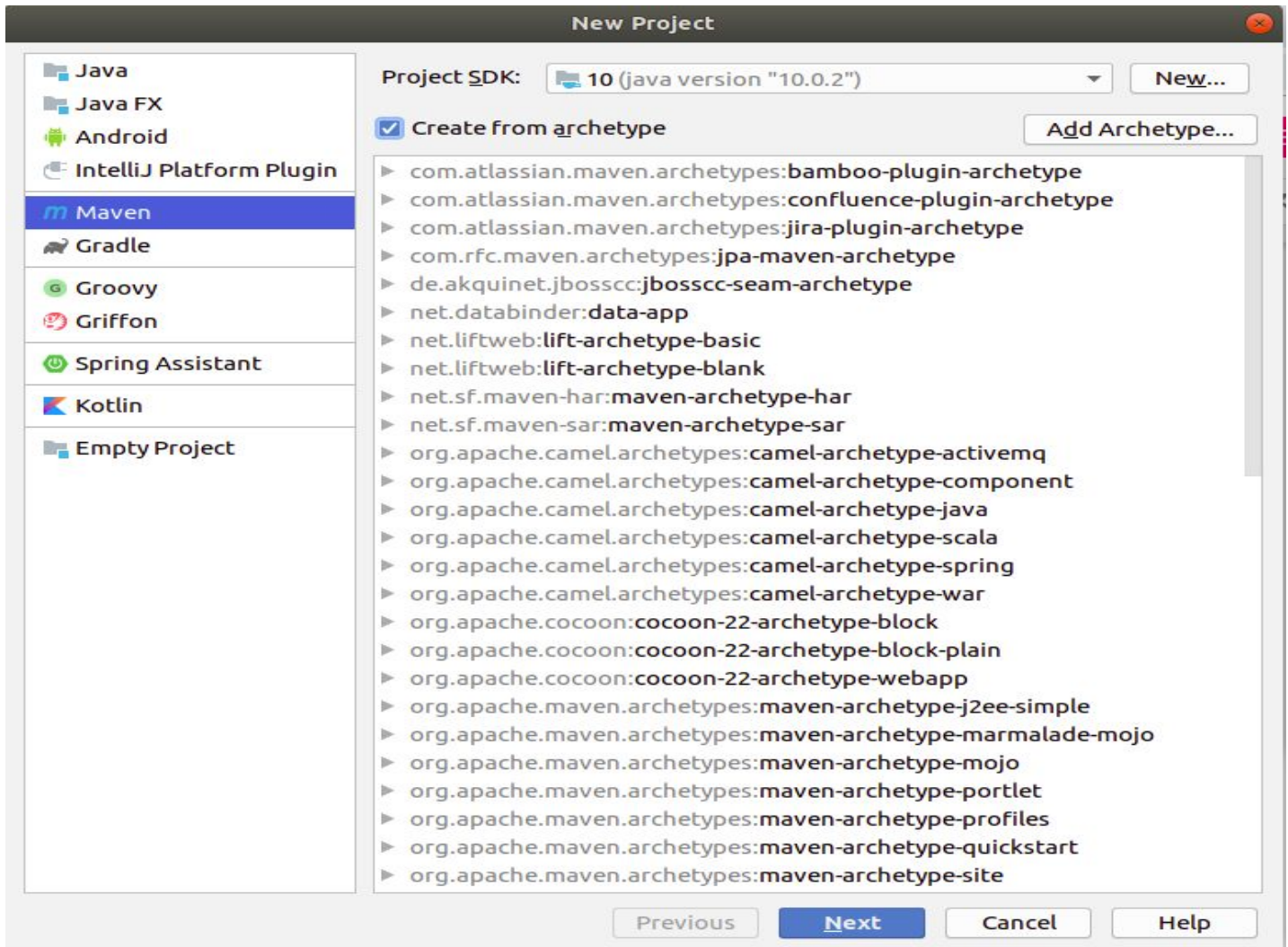
1. Launch IntelliJ



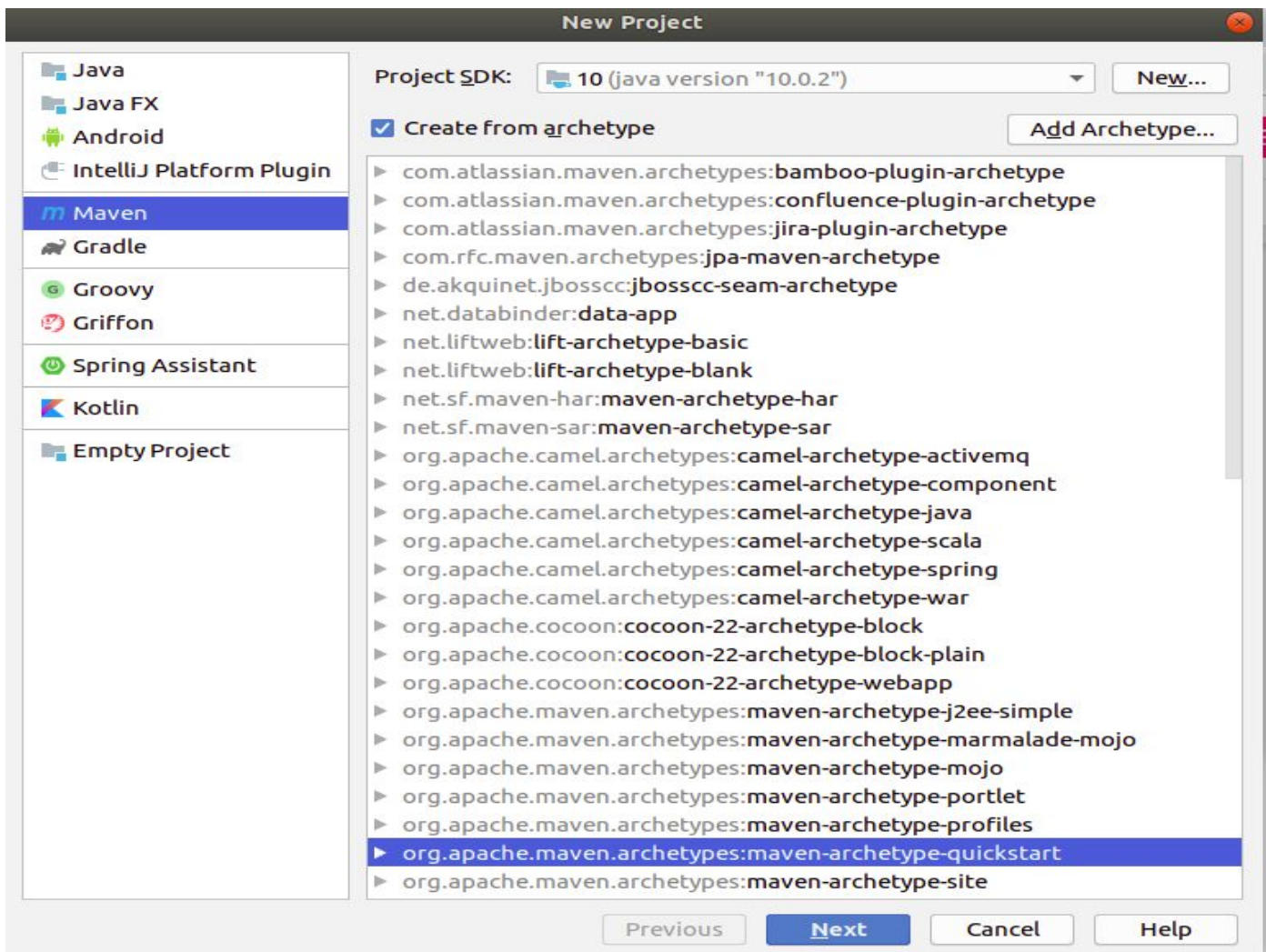
2. Select **Create New Project**
3. Select **Maven** from the sidebar



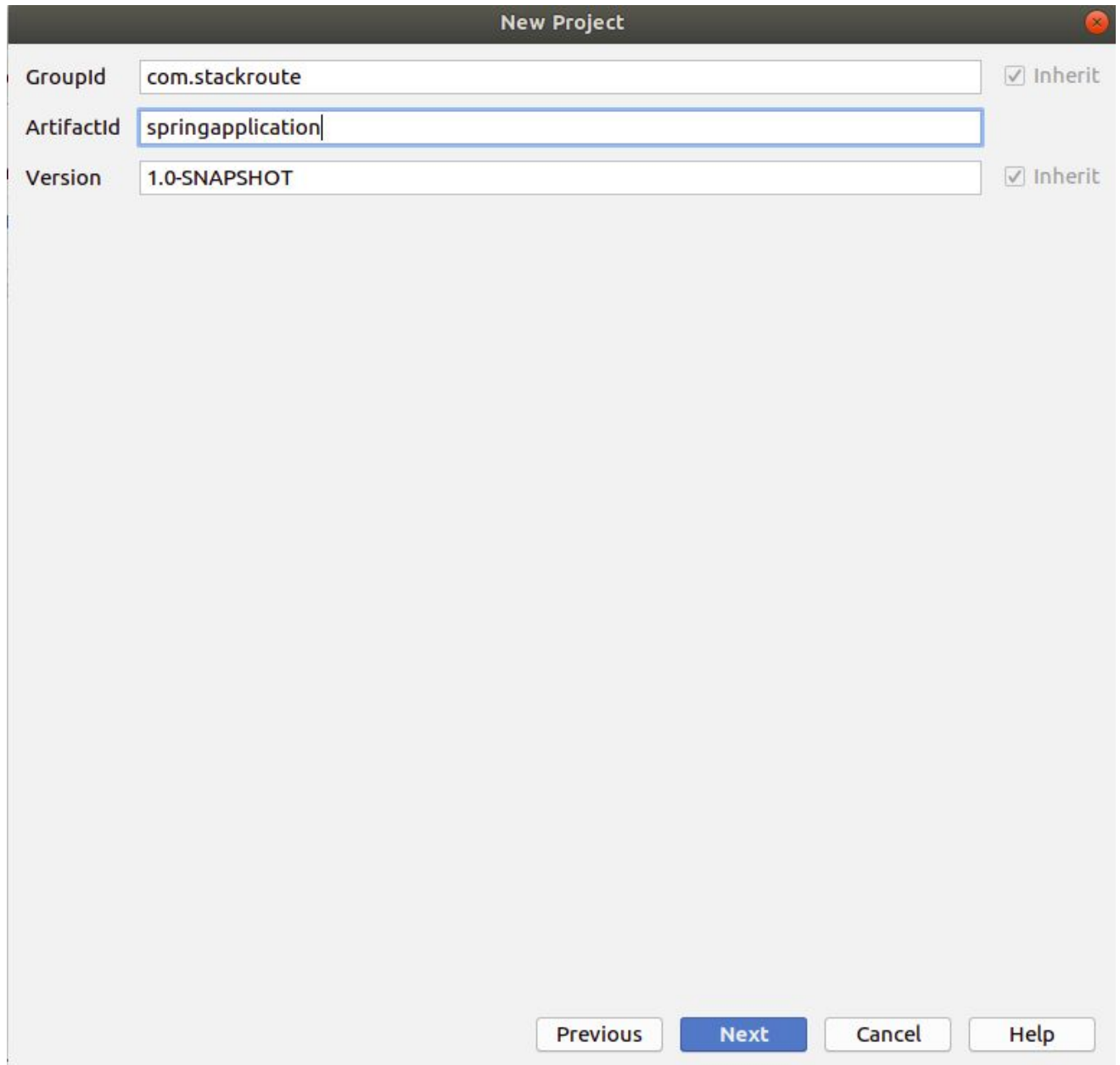
4. Check the **Create from archetype** from the checkbox given below the **Project SDK** field in the right pane



5. Select **org.apache.maven.archetypes:maven-archetype-quickstart** from the options on the right pane



6. Click **Next**.
7. Type **com.stackroute** in the **GroupId** text field and **springapplication** in the **ArtifactId** text field.

A screenshot of a 'New Project' dialog box. The dialog has a title bar with the text 'New Project' and a close button. It contains three input fields: 'GroupId' with the value 'com.stackroute', 'ArtifactId' with the value 'springapplication', and 'Version' with the value '1.0-SNAPSHOT'. To the right of the 'GroupId' and 'Version' fields are checkboxes labeled 'Inherit', both of which are checked. At the bottom of the dialog are four buttons: 'Previous', 'Next' (highlighted in blue), 'Cancel', and 'Help'.

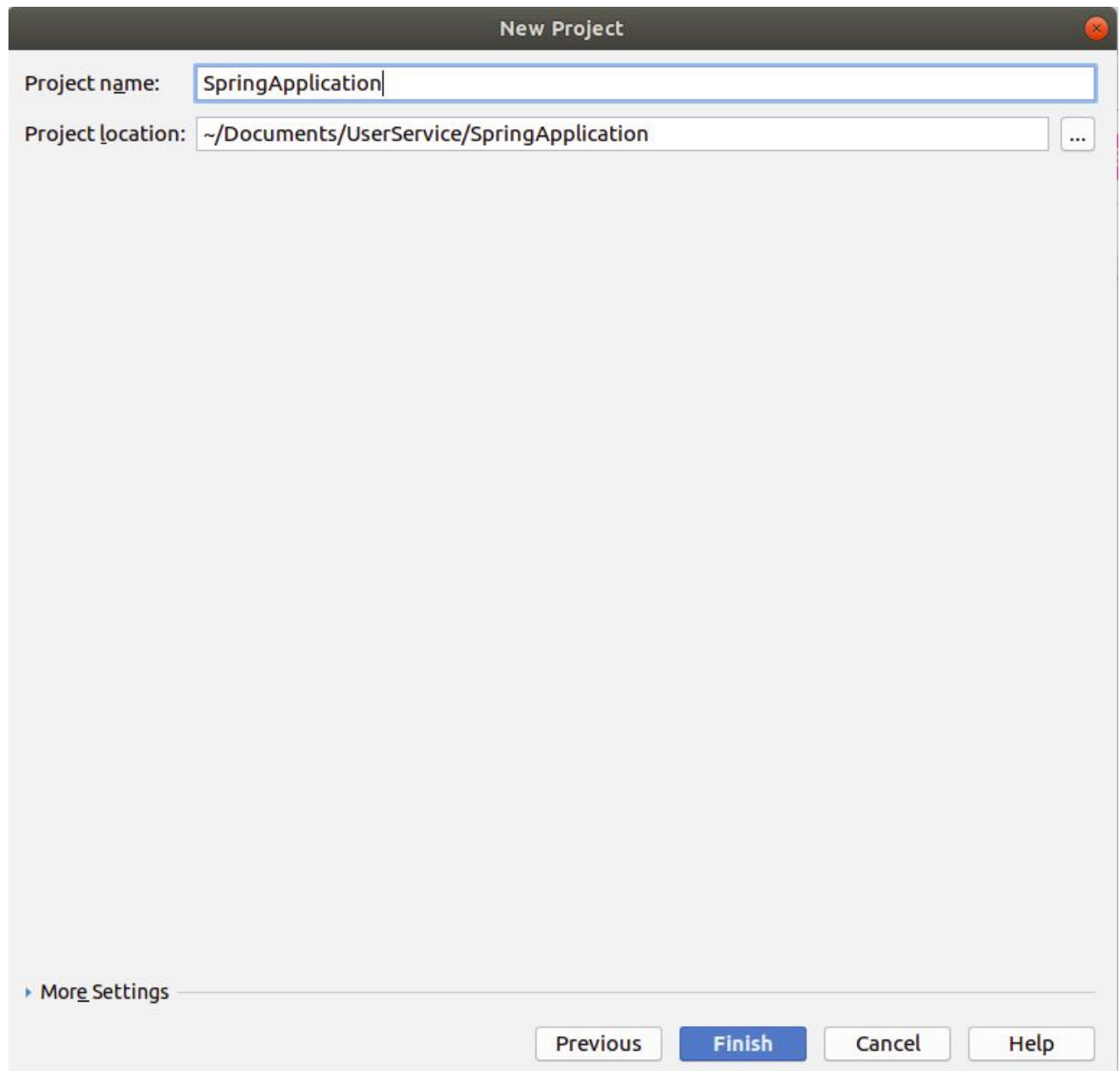
New Project

GroupId ☒ Inherit

ArtifactId

Version ☒ Inherit

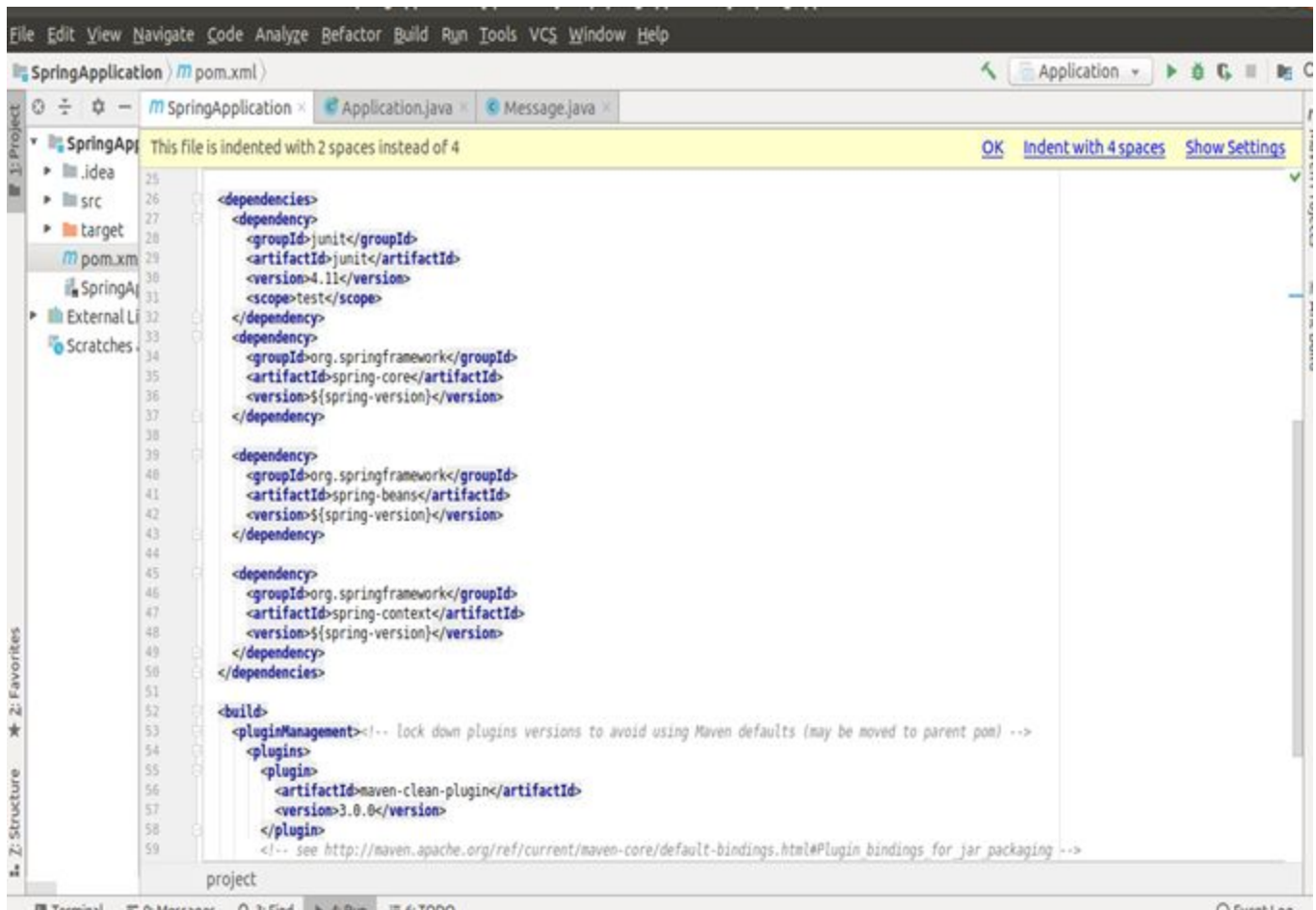
8. Click **Next** twice
9. On the screen that appears , type **SpringApplication** in the **Project Name** field
10. Click **Finish**.



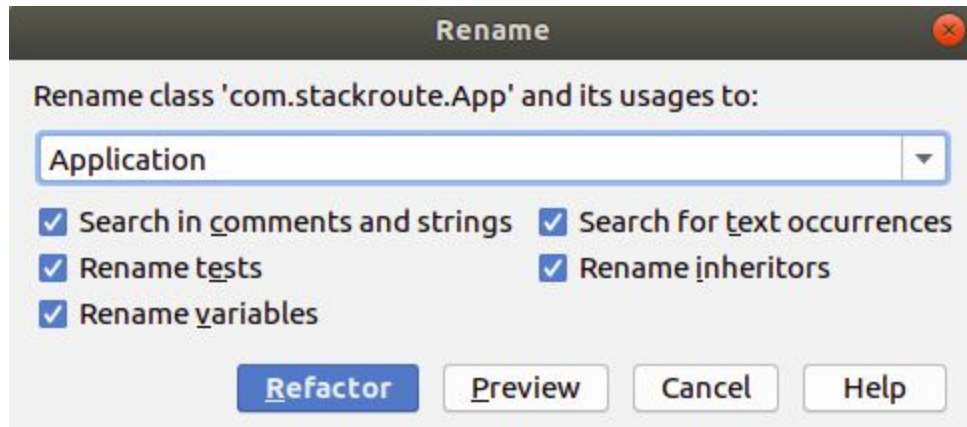
11. In the Projects window of IntelliJ, expand the project node, and double-click **pom.xml** to open it in the editor.
12. Add the following dependencies from <https://mvnrepository.com/>:

spring-core
spring-beans
spring-context

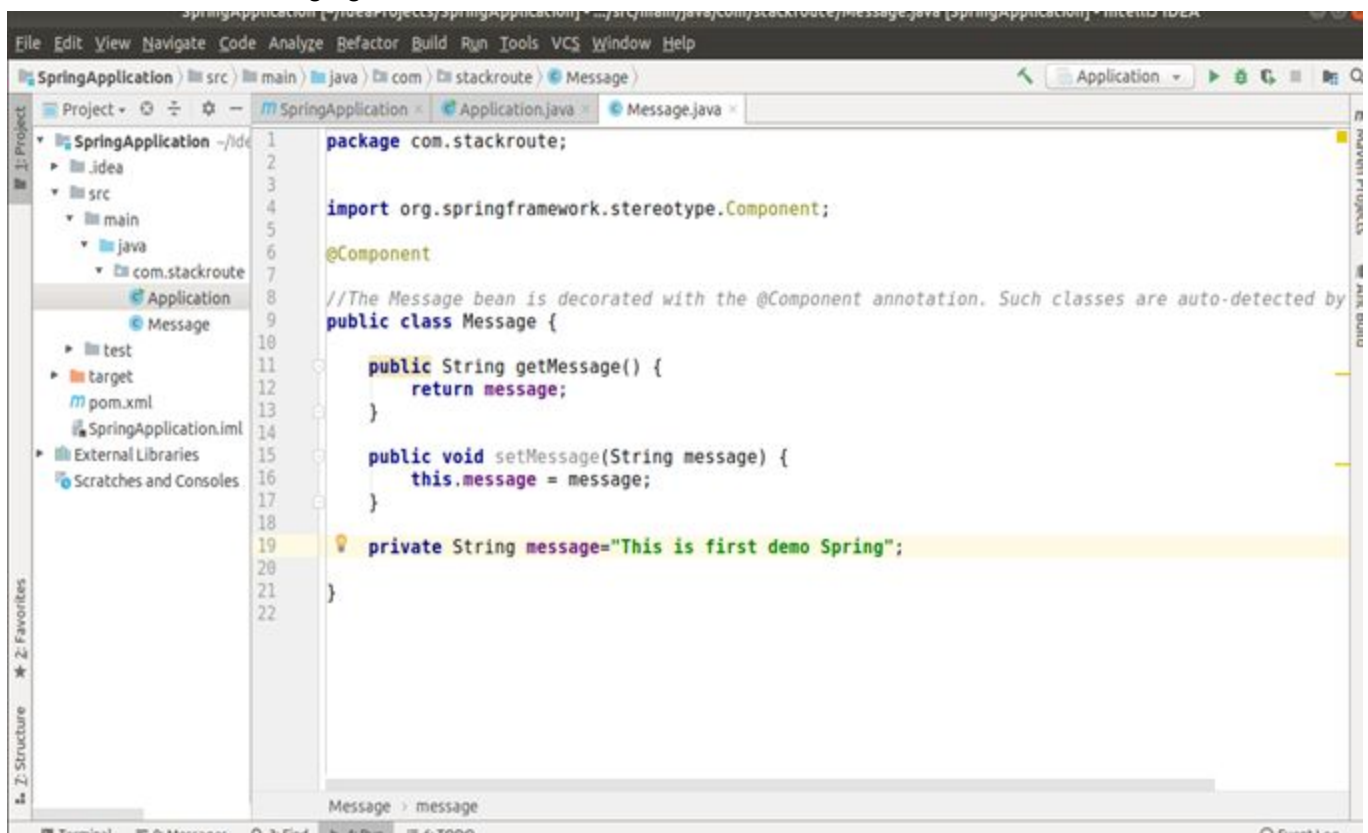
13. The following dependencies shows the pom.xml file with the preceding dependencies.



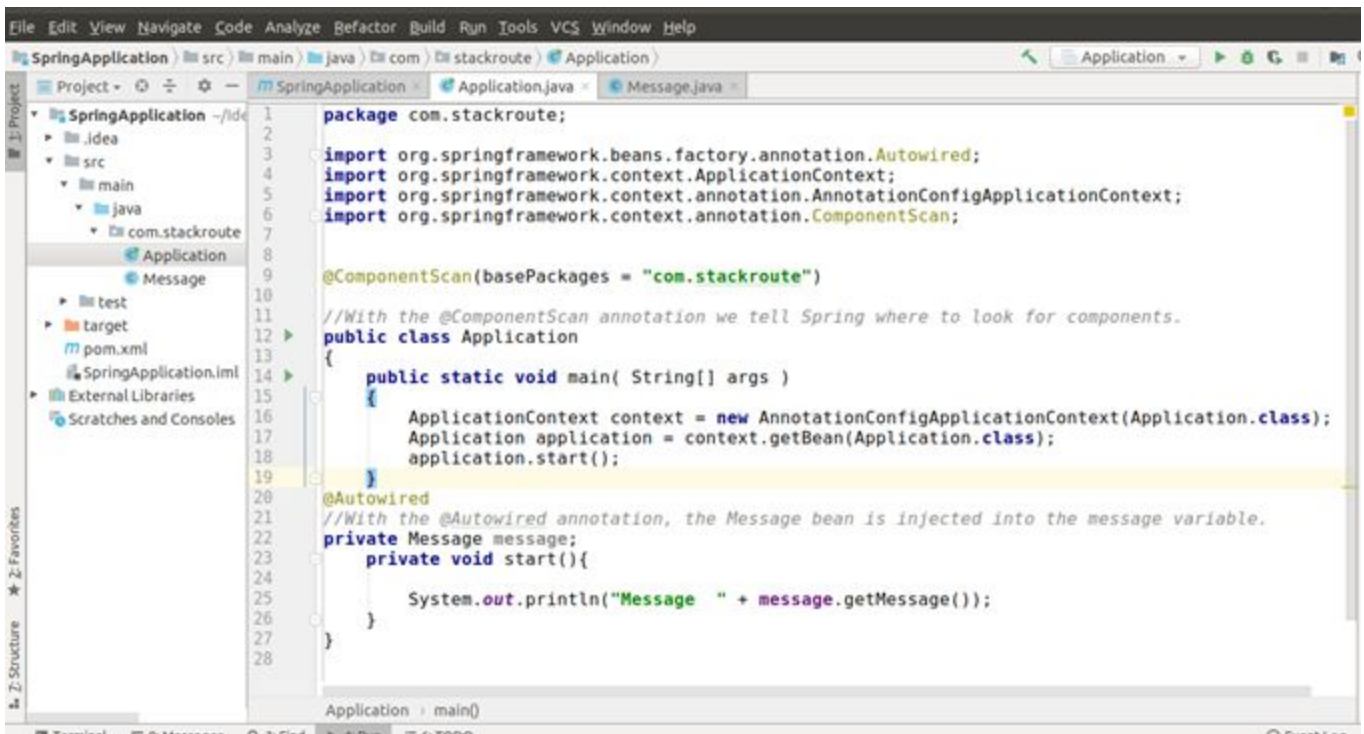
14. Expand the **src** folder of SpringApplication in the Projects window.
15. Right-click on the **App.java** file and select **Refactor->Rename**. The **Rename** dialog box appears.
16. Type **Application.java** and click on the **Refactor** button.



17. In the Projects window, right-click com.stackroute and select New->Java Class. The **Create New Class** dialog box appears.
18. Type **Message.java** in the **Name** text field, and click **OK**.
19. In the **Message** class, add a **message** property in the Message class along with the getters and setters, as shown in the following figure.



20. Open Application.java in the editor. Type the code as shown in the following figure.



21. Right-click **Application.java** in the **Projects** window and select **Run**. The output on running the class is shown in the following figure.

